

# EUROPEAN PATENT OFFICE

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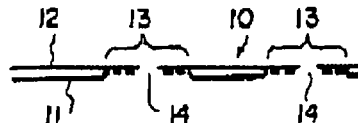
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TITLE : STRETCHABLE SHEET LIKE  
STRUCTURE AND PRODUCTION  
THEREOF



ABSTRACT : PURPOSE: To obtain a good feeling of use based on sufficient stretchability and air permeability, in the bonded part of the nonwoven fabric laminated to an elastic sheet, by providing a large number of venting holes piercing the elastic sheet and the nonwoven fabric.

CONSTITUTION: The elastic sheet 11 and nonwoven fabric 12 constituting a sheet like structure are superposed one upon another and bonded under heating and pressure at a plurality of strip like bonded parts 13 mutually extending in parallel. Venting holes 14 arranged in one row at an equal interval are formed to each bonded part 13 so as to be positioned at the central part of the bonded part in the lateral direction thereof. These venting holes 14 pierce the elastic sheet 11 and the nonwoven fabric 12. The elastic sheet 11 is composed of EVA and the nonwoven fabric 12 is formed from polyethylene staple fibers with finness of 1.5-3d by a water stream entangling method. The diameter of the venting holes 14 formed to the bonded parts 13 is set to about 0.5mm and the interval between the adjacent venting holes is set to about 1mm.

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